



User's Manual

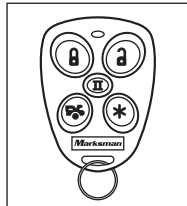
Model: M7a

For Technical Assistance, please call (800) 638-3600,
or visit www.magnadyne.com

Congratulations on your purchase of a quality Marksman automotive security and remote start system. Marksman automotive security products have been designed to provide the consumer with a product that is technologically superior and will provide years of trouble free operation. The information enclosed will provide a ready reference of the operation and maintenance of your new Marksman security and remote start system.

Remote Control Transmitters

Use this illustration as a reference while reading through the operating procedures.




Regular Transmitter Operation

Transmitter Button	System Function	Remark
	Lock Doors and Arm System	
-	Arms and Deletes the Shock Sensor	Press Twice within 5 Seconds.
	Car Locator	When System is Armed
3 Seconds	Panic Function (On-Off)	Press and Hold for 3 Seconds
	Unlock Doors and Disarm System	
-	Two Steps Door Unlock and Disarm System	Press Twice within 3 Seconds
+	Silent Arming/Disarming	
2 Seconds	Channel 2 (Trunk) Timer Control	Press and Hold for 2 Seconds
-	Passive Arming By-Pass	While the System Disarmed.
* - *	Activate Remote Starter	Press and Hold for 1 Second
* - *	Turn Off the Remote Start	
II	Second System Operation	Press and Release for Car #2 Operation



Security System Operations

Active Lock & Arm

Using The Transmitter To Arm The Security System

1. Press the  button on the transmitter.
2. The horn and parking lights will chirp/flash once indicating that the system is now armed. The vehicle's door will lock upon arming when interfaced with the security system.



Silent Arming/Disarming:

1. Pressing the  +  button on the transmitter will arm or disarm your security system, no chirp sound will be heard, arm/disarm confirmation will be through the vehicles parking lights only.

Defective Sensor Reminder:

If the siren sounds off 3 chirps, you have left open a hood, door or trunk.

Shock Sensor Optional Sensor By-Pass:

Press the  button once, the siren chirps once, the security system is now armed. Press the  button a second time within 5 seconds, the siren chirps twice, the shock sensor is now bypassed. The sensor bypass feature is programmed to activate for one arming cycle only. The security system will return to normal operation during the next arming cycle.

Passive Arming


Active Arming/Disarming is Controlling your Security System via the remote Transmitter. This Security System is Equipped with an Optional Passive Arming Feature, which Allows the Security System to Arm 30 Seconds after the last Door is Closed.

1. Turn "OFF" ignition and exit the vehicle.
2. After all entrances are closed, the security system LED will flash fast for 30 seconds. If you reopen any door, hood, or trunk. the security system LED will stop flashing. It will begin flashing again once the vehicles entrances are closed.
3. After 30 second timer has elapsed, the security system will automatically "Arm". The siren will chirp once and the parking lights will flash once.

Passive Arming with Passive Door Locking:


The vehicles door will automatically lock after passive arming cycle has been completed.

Passive Arming Bypass:

While the LED is flashing for passive arming or automatic re-arm, press the  button twice, the security system will respond with 1 chirp and LED will turn "On". The security system will remain in this temporary state for as long as you wish. To exit passive bypass, press the "Lock" or "Unlock" button and the system will return to normal status.

Note: While in passive arm Bypass Mode, you will be required to manually arm you system. Following the "Active Arm" procedure above.

Active Unlock & Disarm

1. Press the  button on the transmitter.
2. The horn will chirp once and parking will flash once indicating that the system is now armed. The vehicle's door will lock upon arming when interfaced with the security system.

Tamper Disarming: (Optional Feature)

If the security system has been tampered with and activated, the siren will chirp 4 times and the parking lights will flash 3 times.

Pathway Illumination: (Optional Feature)

This feature turns "On" the parking lights for 30 seconds upon disarming of the security system. Arming the security system will leave the parking lights on for 10 seconds.

Two Step Door Unlocking: (Optional Feature)

This feature will independently unlock the drivers door only when disarming the security system. Pushing the "Unlock" button a second time within 3 seconds will unlock the entire vehicle.

Automatic Re-Arm: (Optional Feature)

If this feature is selected, the security system will automatically re-arm itself 60 seconds after disarming with the remote transmitter. Automatic re-arm will cancel if any door is opened before the 60 second timer has elapsed.

Valet Mode

The valet switch allows you to temporarily bypass all alarm functions eliminating the need to hand your transmitter to a parking attendant or garage mechanics. When the security system is in Valet Mode, all functions and remote start functions are bypassed however, the remote panic feature and remote door locks will remain operational. To use the Valet Mode, the security system must first be disarmed either by using your remote transmitter or by operating the manual override sequence.

Enter Valet Mode:

1. From the disarmed condition, turn the ignition to the "On" position.
2. Push and hold valet switch for 2 seconds or until the "LED" turns on solid. The LED will remain on as long as the system is in Valet Mode.

Exit Valet Mode:

1. Return to normal operation, turn ignition switch "On".
2. Push and hold the valet switch for 2 seconds and the "LED" will turn off. This indicates the security system is out of the Valet Mode.


Disarming without a Transmitter

The override function may be used if the remote transmitter is lost or inoperative.

1. Enter the vehicle and turn the ignition switch to "On" position.
2. Within 10 seconds push and release the valet switch, the security system will enter the Disarm Mode. You can now start and operate the vehicle normally.

Panic Function

The transmitter can be used as a remote panic switch to manually trigger the alarm in case of emergency.

1. Press and hold the  button for 3 seconds. The alarm will immediately sound.
2. To stop the security system from the Panic Mode, press and hold the Lock or Unlock button on the transmitter again for 3 seconds. Also, if any transmitter button other than the Lock or Unlock button is pressed and released, the Panic Mode will be turned off immediately.

Trigger the System

When armed, your vehicle is protected as follows:

1. Light impacts will trigger the warning signal. A long chirp from siren/horn.
2. Heavy Impacts, Door open, Hood Open, Trunk Open, Turn on the Ignition Key will Trigger the programmed sequence. The starter disable relay (If Installed) prevents the vehicle's starter from cranking. The Siren, Horn, Parking Lights and Dome Light will turn on to alert an intrusion for 30 seconds. Then it will stop and automatically re-set and re-arm. If one of the sensors or detectors are still active the security system will sound a maximum of 6 times for a 30 second cycles.

Dome Light Convenience Delay & Supervision (Option)

If this option has been installed, it will operate in the following manner:

1. Upon disarming, the interior lights will remain on for 30 seconds.
2. If the vehicle is intruded, the interior light will flash for the same duration as the siren.

Note: Turn on the ignition switch or arm the security system and it will turn off the dome light.


Ignition Control Door Locks (Option)

If the vehicles door locks have been interfaced to the security system, the security system will automatically lock the vehicle's doors when the ignition is turned "On" and/or unlock the vehicle's door when the ignition is turned "Off". (Programming is required for this feature to be active).

Trunk Release

Press and hold the  button on the transmitter for two seconds to activate the trunk release or other electronic devices.

Car Locator

Press the  button while the security system is armed to activate car locator function. The horn will chirp 6 times and the parking lights will flash 12 times for you to locate your car.

Remote Start Operation

Warnings

As with any product that performs automatic functions, there are certain safety precautions that you must practice and be aware of.

1. Keep the transmitter out of reach of children.
2. **DO NOT** leave anyone in the vehicle while running on remote control.
3. Alert any service personal that the vehicle can be started automatically.
4. **DO NOT** start the vehicle by remote while it's in an enclosed area or garage.
5. Always apply the parking brake and lock the vehicle as you exit the vehicle.
6. Should the unit malfunction, disconnect the fuse until the problem is corrected.
7. The use and operations of this security system is the sole responsibility of the owner/operator of the vehicle
8. Some areas may have local ordinances that prohibit leaving a vehicle running on public streets. Check your local laws and ordinances.

How to Remote Start Your Vehicle

1. Press the ***** button twice on the transmitter for about 1 second.
 2. The parking lights will activate to indicate the remote start signal has been received.
 3. The engine will start in approximately 5 seconds.
 4. Once the engine is running, after 11 seconds the parking lights will turn on again and climate controls will activate and adjust the vehicle's interior temperature to your preset setting.
 5. The vehicle will run for 5 to 30 minute cycle and automatically shut down
- Note:** The remote start unit will not start the vehicle if any one of the following conditions exists:
1. The Hood is open
 2. The Brake Pedal is Pressed
 3. Move the Optional Remote Start Enable Switch to "OFF" Position (If Installed)
 4. The Gear Selector is in any Gear other than "Park" or "Neutral"

How to Operate the Vehicle While Running on the Remote Start Function

1. Insert the ignition key and turn it to the "ON" Position. Be sure you **DO NOT** turn the Ignition key all the way to the "Start" position. This will cause severe damage to all the starter components on your vehicle.
 2. Press the brake pedal.
- Note:** If the brake pedal is pressed before the key is in the "ON" position, the engine will automatically shut down

Temporary Stop Feature

This feature allows the vehicle to remain running after the key has been removed from the ignition. This feature is useful for occasions when you wish to exit and lock the vehicle for short periods of time but, would like to leave the motor running and climate control on.




1. Before turning off the engine, press the ***** button twice on the transmitter and the LED indicator will flash 3 times to confirm mode entry.
2. Turn the ignition key to "OFF" position (The engine will stay running)
3. The engine will run until the pre-programmed time elapsed or shutdown input is received.

Timer Start

This unit can be programmed to start and run the engine every 2 or 3 hours. The engine will run for the programmed run time and then shut down. This feature is designed for an extreme cold climate. The system will auto start the vehicle every 2 or 3 hours to prevent engine from cold hard to start and freezing over. A MAXIMUM OF SIX CYCLES CAN OCCUR.

Important: Timer start should be used in open areas, never start and run the vehicle in enclosed spaces as a garage or carport

To Activate the Start Timer:

1. Press the  button twice to remote start the vehicle. As soon as the vehicle is running and the parking lights have turned on or flashing.
2. Immediately depress the  button then depress the  button. The parking lights will flash (3) times. The siren or horn chirps (3) times. The vehicle is now programmed to start every 2 or 3 hours.
3. Press the brake pedal to stop the vehicle from running.




Note: Unless the installer of this remote start system has reprogrammed the start timer for a 2 hour duration, the default programmed start time is set to 3 hours.

Exit the Timer Start:

Timer start can be exited manually as follows:


1. Make sure the remote start system is not operating the engine.
2. Turn the ignition On. The LED and parking lights will flash (4) times. The horn or siren chirps (4) times.

Or

1. Press the  button twice to remote start the vehicle. As soon as the vehicle is running and the parking lights have turned on or flashing.
2. Immediately depress the  button then press and hold the  button for 2 seconds. The parking lights will flash (4) times. The siren or horn chirps (4) times. The vehicle is no longer programmed to start automatically.

Shut Down Input for Remote Starter

If any of the following conditions exist while the system is operating, the engine will not start or will shut down:

1. The hood is open.
2. The brake pedal is pressed.
3. Move the optional remote start enable toggle switch to "Off" position (If Installed).
4. Engine is over-revved (Tachometer Checking Type).
5. The pre-programmed run time 5-10-20-30 minutes has elapsed.
6. Transmitter  button is pressed twice.
7. The vehicle refused to start running after 3 unsuccessful attempts.

Disabling the Remote Start system

This feature allows your security system's remote start unit to be temporarily disabled to prevent the vehicle from being remote started accidentally. This feature is useful if the vehicle is being serviced or stolen in an enclosed area. To disable the remote start, move the optional remote start enable toggle switch to the "Off" position.

Turbo Timer Mode (Also See Installation Manual)

Turbo Timer Mode keeps the engine running after arriving at you destination for a programmable time period of 1, 3 or 5 minutes. This allows the system's time to conveniently cool down the turbo after you have left the vehicle.

To Activate:

1. While the engine is running, set the emergency brake and place the transmission to "Park".
2. Before turning off the engine, press and release **2** and ***** buttons at the same time. The light will flash to indicate the remote start has entered Turbo Timer Mode.
3. Remove the "Ignition Key" from the key cylinder. The engine will keep running.
4. Exit and secure the vehicle. The Engine continues running until the pre-programmed time elapsed.

Chirp Indicators

Chirp	Function
1 Chirp	Arm
2 Chirps	Disarmed
3 Chirps	Defective Reminder
4 Chirps	Disarm / Triggered
6 Chirps	Car Locator

Parking Lights

Parking Lights	Function
1 Flash	Arm
2 Flashes	Disarmed
3 Flashes	Disarm / Triggered
12 Flashes	Car Locator
Constant On	Under Remote Control

Alarm Operating Condition




	Siren, Horn	Parking Light	LED	Doors	Starter	Dome Light
1. Arming	1 or 3 Chirps	1 Flash	Slow Flash	Locking	Disable	
2. Disarming	2 or 4 Chirps	2 or 3 Flashes	Fast Flash	Unlocking		Turns on for 30 Seconds
3. Trigger	Alarming	Flashes	Slow Flash		Disable	Flashes
4. Panic	Alarming	Flashes				Flashes
5. Car Locator	6 Chirps	12 Flashes				

LED Display

LED	Function
Off	Disarmed
Slow Flash	Armed
Fast Flash	Passive Arming
On (Solid)	Valet Mode

LED	Function
2 flashes... pause	Zone 2: Trigger on Trunk/Hood
3 flashes... pause	Zone 3: Trigger on Door Switch
4 flashes... pause	Zone 4: Trigger on Optional Sensor
5 flashes... pause	Zone 5: Trigger on Ignition Switch

Replacement Parts and Accessories for Remote Mobile Security Systems

ORDER BY MAIL	DESCRIPTION	MODEL #	\$ PRICE
	<p>Uses 3 volt CR2016 Lithium Battery (2 pcs.) Replacements: Radio Shack: #23-160 (CR2016H) Duracell: #DL2016 Eveready: #ECR2016 Panasonic: # CR2016</p>		
	<p>4-Button Transmitter with SAW Technology for: M7a Remote Start Security System.</p>	M4RF-2	44.95 ea.
	<p>6-Tone, 118dB Siren: For use with all Remote Mobile Security Systems.</p>	ALA115	34.95 ea.
	<p>6-Tone, 130dB Siren: For use with all Remote Mobile Security Systems.</p>	ALA125	39.95 ea.

Parts and Accessories Order Form

Credit Card or Money Order Only

(Sorry No Cash, C.O.D. or personal checks accepted)

Mail to: Magnadyne Corporation
 ATTN: Consumer Parts Sales
 P.O. Box 5365
 Carson, CA 90749-5365

SHIP TO: (No P.O. Boxes)

LAST NAME	FIRST NAME	INITIAL

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STREET ADDRESS

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ADDITIONAL ADDRESS

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ADDITIONAL ADDRESS

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CITY

STATE

ZIP CODE

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DAY TIME PHONE NUMBER

CREDIT CARD INFORMATION

	/		<input type="checkbox"/> VISA
CREDIT CARD NO.		EXPIRATION DATE	<input type="checkbox"/> MC

CARD HOLDER'S LAST NAME	FIRST NAME	INITIAL

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STREET ADDRESS

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CITY

STATE

ZIP CODE

PART #	DESCRIPTION	QTY.	PRICE EACH	TOTAL

Shipping and Handling

Up to \$20.00	\$5.00
20.01 to 30.00	5.95
30.01 to 45.00	6.50
45.01 to 70.00	6.95
Over 70.01	7.95

Sales Subtotal = _____ . _____

California Residents Add Sales Tax = _____ . _____

Shipping and Handling (See Chart) = _____ . _____

TOTAL = _____ . _____

On regular orders please allow 4-5 weeks for delivery.

Please give a shipping address where this order may be delivered between the hours of 9 a.m. and 5 p.m. weekdays.
 If UPS is unable to deliver, your order will be returned and additional shipping charges will be required.

Limited Lifetime Warranty

Magnadyne Corporation or its authorized agents will, for the life of the vehicle and to the original purchaser, repair, replace or refund the retail sales price of said product or any part thereof, at the option of the Magnadyne Corporation or its authorized agents, if said product or part is found defective in materials or workmanship, when properly connected and operating on the correct power requirements designated for the specific product. This warranty and Magnadyne Corporation or its authorized agents obligations, hereunder do not apply where the product was: damaged while in the possession of the consumer, subjected to unreasonable or unintended use, not reasonably maintained, utilized in commercial or industrial operation, or serviced by anyone other than Magnadyne Corporation or its authorized agent, or where the warning seal on the product is broken or the power plugs or wires are detached from the unit. Magnadyne Corporation or any of its authorized agents do not assume any labor costs for the removal and reinstallation of any product found to be defective, or the cost of transportation to Magnadyne Corporation or its authorized agents. Such costs are the sole responsibility of the purchaser.

This warranty does not cover the cabinet, appearance items, normal wear and tear or accessories used in connection with the product resulting from improper installation, alteration, accident, misuse, abuse or acts of nature.

This Limited Life Time Warranty applies only to the receiver section of the security system. Neither the siren, transmitters, wire harness or any accessory item added to or used with a Remote Mobile security system are covered by this Limited Life Time Warranty. Sirens, transmitters, wire harness or any accessory item are covered by our standard 12 month limited warranty.

Magnadyne Corporation or its authorized agents shall not be liable to anyone for consequential or incidental damages or claims that may arise due to failure of product to operate properly except those accorded by law. Magnadyne's or its authorized agents liability to the repair, replacement of the product as stated above if all conditions of the warranty are met. No expressed warranty or implied warranty is given except those set forth herein. Magnadyne does not warrant or guarantee against break in damage or the theft of the vehicle in part or whole, or against the loss or damage to the contents of any vehicle in which a security system is installed. Magnadyne security systems are only a deterrent against possible theft.

This warranty extends only to the original purchaser of the product and for the vehicle in which it was originally installed. This warranty is not transferable or assignable to any person or vehicle. Defective merchandise should be returned to the original point of purchase or secondly to Magnadyne Corporation, 1111 W. Victoria Street, Compton, CA 90220. A return authorization must be obtained before sending, or merchandise may be refused.

